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PATENT
Customer No. 22,852
Attorney Docket No. 06720.0065

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
Chun Chian LU) Group Art Unit: 2631
)
Application No.: 09/902,695) Examiner: Unknown
)
Filed: July 12, 2001)
)
For: PERTURBATION APPARATUS)
AND METHOD FOR USER)
DETECTION IN A MULTIPLE-)
ACCESS COMMUNICATION)
SYSTEM)

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Commissioner for Patents
Washington, DC 20231

Technology Center 2600

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached PTO 1449. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

Copies of the listed documents are attached. Applicant respectfully requests that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the

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documents as prior art against any claim in the application and Applicant determines that the cited documents do not constitute "prior art" under United States law, Applicant reserves the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

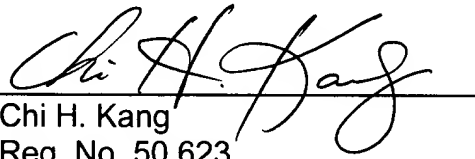
If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: April 28, 2003

By: _____


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INFORMATION DISCLOSURE CITATION

Atty. Docket No. 06720.0065	Appln. No. 09/902,695
Applicant Chun Chian LU	
Filing Date July 8, 2001	Group: 2631

U.S. PATENT DOCUMENTS							
Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate	
	5,467,368	Nov. 14, 1995	Takeuchi et al.	375	206	Nov. 1, 1994	
	5,917,829	Jun. 29, 1999	Hertz et al.	370	479	Dec. 1, 1997	
	5,790,606	Aug. 4, 1998	Dent	375	348	Feb. 24, 1995	

FOREIGN PATENT DOCUMENTS							
	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No	
						APR 29 2003	
						Technology Center 2600	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	C. C. Lu, "Perturbation methods for canceling multi-user interference," The Sixth IEEE Symposium on Computers and Communications, Hammamet, Tunisia, pp. 204-209, July, 2001.
	C. C. Lu, "Perturbation Methods for canceling interference in CDMA systems," The Eighth IEEE International Conference on Electronics, Circuits and Systems, Malta, pp. 1143-46, September, 2001.
	C. C. Lu, "Perturbation principle of multi-user detection," The 3 rd IEEE International Conference on Mobile and Wireless Communications Networks, Recife, Brazil, Aug. 2001.
	S. Verdu, "Minimum probability of error for asynchronous Gaussian multiple-access channels," IEEE Trans. Information Theory, Vol. IT-32, no.1, pp. 85-96, January 1986.
	R. Lupas and S. Verdu, "Linear multiuser detectors for synchronous code-division multiple-access channels", IEEE Trans. Information Theory, Vol. 35, no. 1, pp123-136, January 1989.
	M. Honig, U. Madhow and S. Verdu, "Blind adaptive multiuser detection", IEEE Trans. Information Theory, Vol. 41, no. 4, pp. 944-960, July 1995.
	S. Moshavi, "Multi-user detection for DS-CDMA communications", IEEE Communications Magazine, pp. 124-136, October 1996.
	C. C. Lu, "Frequency acquisition in a synchronous CDMA cordless phone using fast Walsh transform," IEEE PIMRC '95, Toronto, Canada, pp. 990-994, September 1995.
	C. C. Lu, "Computer simulation of a synchronized CDMA cellular phone system," IS-COM '93, 1993 International Symposium on Communications, Vol. 1 p.12-67, (Published by National Chiao Tung Univ., Hsinchu, Taiwan, Dec. 1993).
	D. Divsalar, M. K. Simon and D. Raphaeli, "Improved parallel interference cancellation for CDMA," IEEE trans. Commun., vol. 46, no. 2, pp. 258-268, February 1998.

INFORMATION DISCLOSURE CITATION

Atty. Docket No. 06720.0065	Appln. No. 09/902,695
Applicant Chun Chian LU	
Filing Date July 12, 2001	Group: 2631
Examiner	Date Considered
*Examiner Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
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